

Abstract

The invention relates to a method for objective verification of auditory steady-state responses (ASSR) in the time domain whereby the individual epochs are transformed into the frequency domain. The response can be made free from noise of the asynchronous EEG in the frequency domain; the amplitudes of the spectral lines, which contain only noise, are set at zero, and the spectral lines of the harmonics remain uninfluenced. The altered spectrum is subsequently transformed back into the time domain.